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A Gottlieb, BD Lubachevsky, L Rudolph - ACM Transactions on Programming Languages and Systems, 1983 - portal.acm.org

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Efficient distributed event-driven simulations of multiple-loop networks

BD Lubachevsky - Communications of the ACM, 1989 - portal.acm.org

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How to Simulate Billiards and Similar Systems

BD Lubachevsky, M Hill, N Jersey - Arxiv preprint cond-mat/0503627, 2005 - arxiv.org

An N-component continuous-time dynamic system is considered whose components evolve autonomously all the time except for in discrete asynchronous ...

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Bounded lag distributed discrete event simulation.

BD Lubachevsky - SCS Multiconference on Distributed Simulation, 1988 - csa.com

As yet the problem of distributed event driven simulation has found no commonly accepted solution. This paper presents another attack on the problem. The ...

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Geometric properties of random disk packings

BD Lubachevsky, FH Stillinger - Journal of Statistical Physics, 1990 - springerlink.com

Random packings of $N < 2000$ rigid disks in the plane, subject to periodic boundary conditions on a square primitive cell, have been generated by a con- ...

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Algorithms for unboundedly parallel simulations

AG Greenberg, BD Lubachevsky, I Mitrani - ACM Transactions on Computer Systems, 1991 - portal.acm.org

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An analysis of rollback-based simulation

B Lubachevsky, A Schwartz, A Weiss - ACM Transactions on Modeling and Computer Simulation, 1991 - portal.acm.org

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Efficient massively parallel simulation of dynamic channel assignment schemes for wireless cellular ...

AG Greenberg, BD Lubachevsky, DM Nicol, PE Wright - The 3 rd International Workshop on Modeling, Analysis,

and ..., 1995 - doi.ieeeecs.org

Abstract Fast, efficient parallel algorithms are presented for discrete event simulations of dynamic channel assignment schemes for wireless cellular ...

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An approach to automating the verification of compact parallel coordination programs. I

BD Lubachevsky - Acta Informatica, 1984 - [springerlink.com](#)

Ultracomputer. A correctness proof for the considered programs must be done for arbitrary number N of processing elements since the Ultracomputer design ...

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Efficient Parallel Simulations of Asynchronous Cellular Arrays

BD Lubachevsky, M Hill, N Jersey - Arxiv preprint cs.DC/0502039, 2005 - [arxiv.org](#)

Abstract A definition for a class of asynchronous cellular arrays is proposed.

An example of such asynchrony would be independent Poisson arrivals of cell ...

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